# Commonwealth of Kentucky

**Natural Resources & Environmental Protection Cabinet**
**Department for Environmental Protection**

**DIVISION FOR AIR QUALITY**

**DEP7007L**

**Concrete, Asphalt, Coal, Aggregate, Feed, Corn, Flour, Grain, & Fertilizer**

1) Type of Operation(s):
_____ Concrete _____ Asphalt _____ Coal _____ Aggregate Processing
_____ Feed, Corn & Flour _____ Grain _____ Fertilizer

2) Operating Schedule: _____ Hours/day _____ Days/Week _____ Weeks/Year
Percent Annual Throughput: Dec.-Feb. _____ % Mar.-May _____ % June-Aug. _____ %
Sept.-Nov. _____ %

3) Paved Haul Road Length _____ Miles Unpaved Haul Road Length _____ Miles
Describe Dust Control Method for Haul Road(s) and Yard Area _____

Depending on the type of operation (*as checked in box 1*), complete the appropriate section(s). Also, attach a flow diagram showing all of the emission point numbers, and list the numbers on this form where applicable.

**SECTION 1 CONCRETE OPERATION ONLY** (*Ready-mix, Block, Pre-cast, or Terminate)*

4) Maximum Hourly Rated Capacity _____ cu. yd./hr. Max. Annual Rated Capacity* _____ cu. yd./hr.

5) _____ Wet Batch _____ Dry Batch

6) **Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

| Emission Point No. | Affected Facility (Specify Quantity) | Maximum Loading Rate (silos only) or Operating Rate(s)** (tons/hour) | Control Equipment*** | Cost of Controls |
|---|---|---|---|---|
| | Cement Silo(s) | | | |
| | Fly Ash Silo(s) | | | |
| | Weight Hopper(s) | | | |
| | Drum Mixer(s) | | | |
| | Aggregate Handling And Stockpiles | | | |
| | Truck Loadout(s) | | | |

***Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
****Where the loading rate for the silos is not known, a rated capacity of 30 tons/hour will be used.**
*****For baghouse(s), complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

7) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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**SECTION II ASPHALT PLANTS ONLY**

8) Max. Hourly Rated Capacity _____ Max. Annual Rated Capacity * _____ tons/hour

Type of Plant: _____ Stationary _____ Portable

Type of Operation: _____ Batch Mix __ Drum Mix

9) Aggregate Dryer Information:

Type of Fuel: _____ Gas _____ Oil (_____ % sulfur)
Dryer Model & Manufacturer _____
Burner Rated Capacity: _____ Btu/hour
Gases Discharged: _____ acfm _____ dscfm

10) Asphalt Heater Information:

Type of Fuel: _____ Gas _____ Oil (_____ % sulfur) _____ Other (specify) _____

Burner Rated Capacity: _____ Btu/hour

11) **Indicate the type of Control Equipment Used for Each Applicable Facility:**

| Emission Point No. | Affected Facility | Control Equipment | Cost of Controls |
|---|---|---|---|
| | Rotary Dryer | Primary:<br><br>Secondary: | |
| | Aggregate Handling | Hoppers:<br><br>Conveyors: | |
| | Stockpiles (raw materials) | | |

12) Will this plant utilize a recycled asphalt pavement (RAP) unit? _____ Yes ( _____ tons/hr.) _____ No

**If "YES" was answered above, provide a description of the activities included in the RAP process (e.g. RAP stockpile, receiving, hopper, conveyor to screen, screen, lump breaker, conveyor to rotary dryer). Also, attach a flow diagram showing all of the emission point numbers listed on this form.**

*** Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
**** Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

**13) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.**

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**SECTION III COAL OPERATIONS ONLY**

**14) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

| Emission Point No. | Affected Facility (Specify quantity in blank) | Max. Capacity* | | Control Equipment*** | Cost of Controls |
|---|---|---|---|---|---|
| | | (tons/hr. | (tons/yr.)** | | |
| | Receiving Hopper(s) ____ | | | | |
| | Primary Crusher(s) _____ | | | | |
| | Secondary Crusher(s) ____ | | | | |
| | Screen(s) _____ | | | | |
| | Conveyor Transfer Point(s) _____ | | | | |
| | Stockpile(s) ____ | | | | |
| | Rail Loadout(s) _____ | | | | |
| | Barge Loadout(s) _____ | | | | |
| | Truck Loadout(s) _____ | | | | |
| | Thermal Dryer(s) _____ | | | | |
| | Other (specify) _____ _____ | | | | |

**Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there are two conveyor transfer points at 500 tons/hour and three conveyor transfer points at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.**

***The maximum capacity should represent the maximum tons/hour that the piece of equipment was designed to physically handle. This number may be larger than you anticipate ever utilizing. For instance, a crusher may be able to handle 1000 tons/hour at its largest setting, but you may plan to operate the crusher at 800 tons/hour. In this case, 1000 tons/hour should still be used in the application. For "shop-made" conveyors or other equipment for which manufacturers' data would not be available, an estimate should be made as to the maximum hourly tonnage that the equipment can physically handle. Again, the maximum number should be used in place of what you may plan to actually use.**
****Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
*****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

**15) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.**

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**SECTION IV AGGREGATE OPERATIONS ONLY**

**16) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

| Emission Point No. | Affected Facility (specify quantity in blank) | Max. Capacity* (tons/hr.) | Max. Capacity* (tons/yr.)** | Control Equipment *** | Cost of Controls |
|---|---|---|---|---|---|
| | Receiving Hopper(s) ____ | | | | |
| | Primary Crusher(s) _____ | | | | |
| | Secondary Crusher(s) ____ | | | | |
| | Tertiary Crusher(s) _____ | | | | |
| | Fines Mill(s) ____ | | | | |
| | Screen(s) _____ | | | | |
| | Conveyor Transfer Points _____ | | | | |
| | Stockpile(s) ____ | | | | |
| | Pug Mill(s) _____ | | | | |
| | Loadout(s) _____ | | | | |
| | Other (specify) _____ _____ | | | | |

**Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there are two conveyor transfer points at 500 tons/hour and three conveyor transfer points at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.**

***The maximum capacity should represent the maximum tons/hour that the piece of equipment was designed to physically handle. This number may be larger than you anticipate ever utilizing. For instance, a crusher may be able to handle 1000 tons/hour at its largest setting, but you may plan to operate the crusher at 800 tons/hour. In this case, 1000 tons/hour should still be used in the application. For "shop-made" conveyors or other equipment for which manufacturers' data would not be available, as estimate should be made as to the maximum hourly tonnage that the equipment can physically handle. Again, this maximum number should be used in place of what you may plan to actually use.**

****Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**

*****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

**17) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.**

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**SECTION V FEED, CORN, AND FLOUR OPERATIONS ONLY**

**18) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

| Emission Point No. | Affected Facility (specify quantity in blank) | Max. Capacity | | Control Equipment** | Cost of Controls |
|---|---|---|---|---|---|
| | | (tons/hr.) | (tons/yr.)* | | |
| | Column Dryer(s) _____ | | | | |
| | Rack Dryer(s) _____ | | | | |
| | Truck Receiving _____ | | | | |
| | Rail Receiving _____ | | | | |
| | Barge Receiving _____ | | | | |
| | Precleaner(s) _____ | | | | |
| | Elevator Leg(s) _____ | | | | |
| | Flour Mill House(s) _____ | | | | |
| | Feed Hammermill(s) _____ | | | | |
| | Grain Hammermill(s) _____ | | | | |
| | Feed Pellet Mill(s) _____ | | | | |
| | Feed Pellet Cooler(s) _____ | | | | |
| | Truck Loadout(s) _____ | | | | |
| | Rail Loadout(s) _____ | | | | |
| | Barge Loadout(s) _____ | | | | |
| | Other (specify) _____ _____ | | | | |

**Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where available. This flow diagram should be used to supplement the above information. For example, if there are two hammermills at 500 tons/hour and one hammermill at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "Maximum Capacity" column above.**

***Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

**19) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.**

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**SECTION VI GRAIN ELEVATORS ONLY**

**20) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

| Emission Point No. | Affected Facility (specify quantity in blank) | Max. Capacity | | Control Equipment** | Cost of Controls |
|---|---|---|---|---|---|
| | | (tons/hr.) | (tons/yr.)* | | |
| | Column Dryer(s) _____ | | | | |
| | Rack Dryer(s) _____ | | | | |
| | Truck Receiving _____ | | | | |
| | Rail Receiving _____ | | | | |
| | Barge Receiving _____ | | | | |
| | Outdoor Storage Bin(s) _____ | | | | |
| | Indoor Storage Bin(s) _____ | | | | |
| | Truck Loadout(s) _____ | | | | |
| | Rail Loadout(s) _____ | | | | |
| | Barge Loadout(s) _____ | | | | |
| | Elevator Leg(s) _____ | | | | |
| | Other (specify) _____ _____ _____ _____ | | | | |

**Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where available. This flow diagram should be used to supplement the above information. For example, if there is one dryer at 500 tons/hour and one dryer at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "Maximum Capacity" column above.**

***Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

**21) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.**

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**SECTION VII FERTILIZER OPERATIONS ONLY**

**22) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

| Emission Point No. | Affected Facility (Specify quantity in blank) | Max. Capacity* | | Control Equipment*** | Cost of Controls |
|---|---|---|---|---|---|
| | | (tons/hr. | (tons/yr.)** | | |
| | Truck Receiving _____ | | | | |
| | Rail Receiving _____ | | | | |
| | Barge Receiving _____ | | | | |
| | Conveyor Transfer Point(s) _____ | | | | |
| | Mixing and Blending _____ | | | | |
| | Truck Loadout(s) _____ | | | | |
| | Rail Loadout(s) _____ | | | | |
| | Barge Loadout(s) _____ | | | | |
| | Other (specify) _____ _____ | | | | |

**Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there is one loadout at 500 tons/hour and one loadout at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.**

**** Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
***** Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

**23) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.**

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